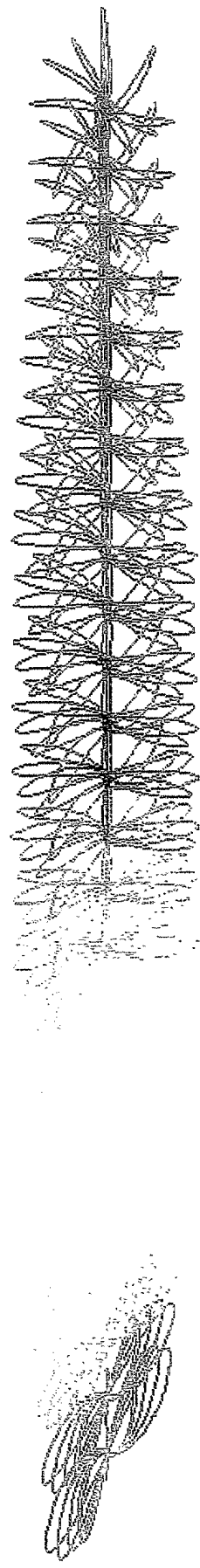


FIG 1 Prior Art



kH _Z	11	12	13	14	16	17	19	20	22	24	26	29	31	34	37	40	44	48	52	57	62	68	74	81	88
	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y

Figure 5

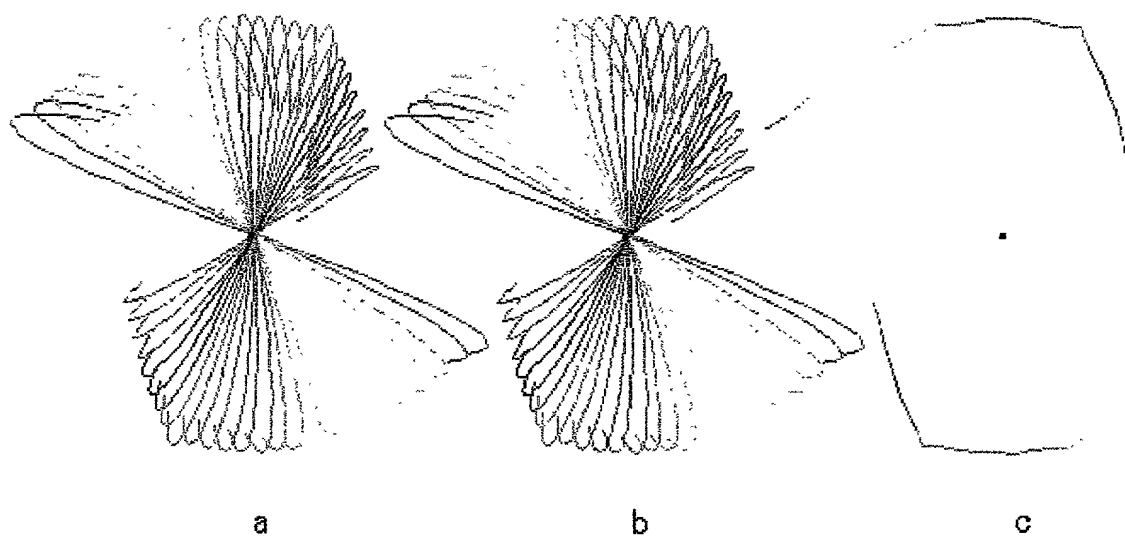


Figure 7

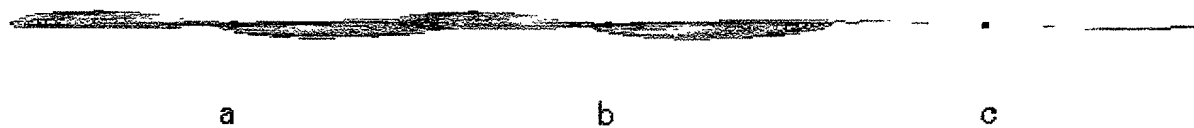


Figure 8

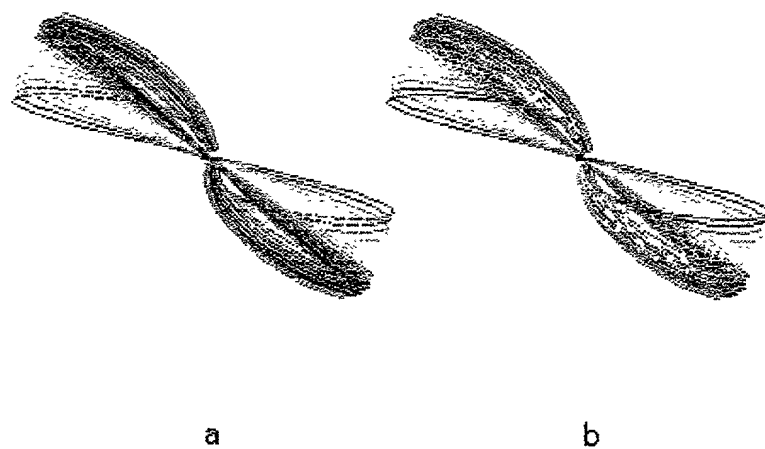


Figure 9

C

b

c

Figure 14

THE ECT MAD 8D EDDY CURRENT SYSTEM

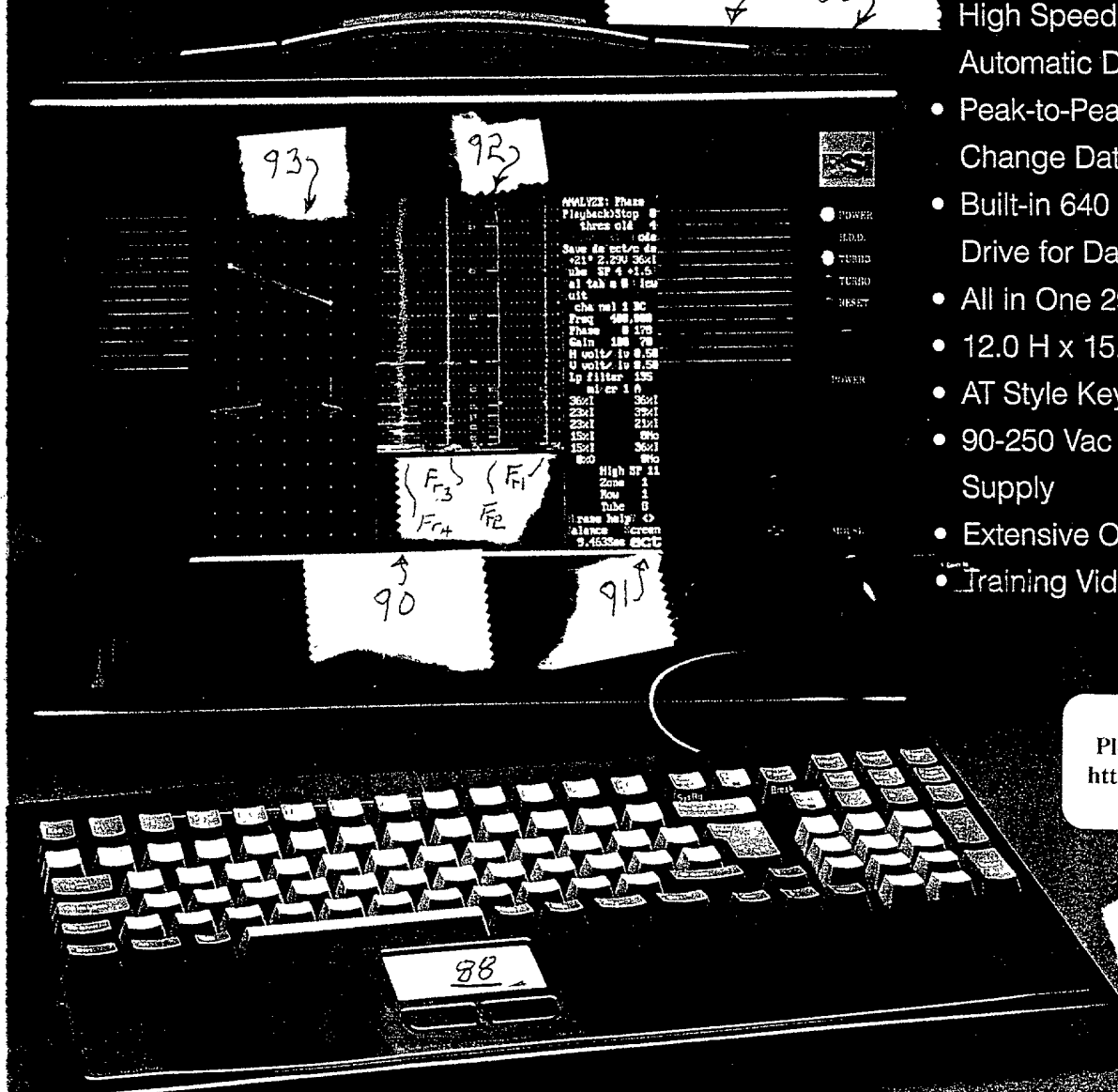
This system is capable of inspecting any heat exchanger tube in the world (ferrous or nonferrous), and can do it faster than any other eddy current system. Everything that is needed to inspect any heat exchanger from the largest power plant condenser to the smallest feed water heater, all in one portable unit.

SPECIAL FEATURES:

- Eddy Current Data Acquisition Hardware
- Data Storage on Built-in Optical Disk Drive
- Automatic or Manual Data Analysis
- Tube Sheet Mapping
- Report Generation

IMPORTANT SPECIFICATIONS:

- High Speed 2-Meter Per Second Inspection Speed
- Up to 8 kHz Sample Rate
- 8 Channel Capability
- High Speed 5-Meter Per Second Automatic Data Analysis
- Peak-to-Peak or Maximum Rate of Change Data Analysis
- Built-in 640 MByte Optical Disk Drive for Data Storage
- All in One 29 Pound Unit
- 12.0 H x 15.5 W x 8.5 D Inches
- AT Style Keyboard, 102 Keys
- 90-250 Vac Auto Sensing Power Supply
- Extensive On Line Help
- Training Video Tapes Included

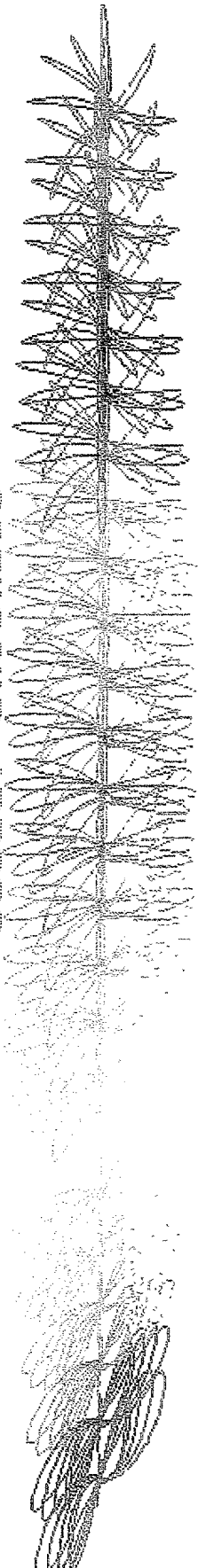


Please visit our Web Site at:
<http://www.eddy-current.com>

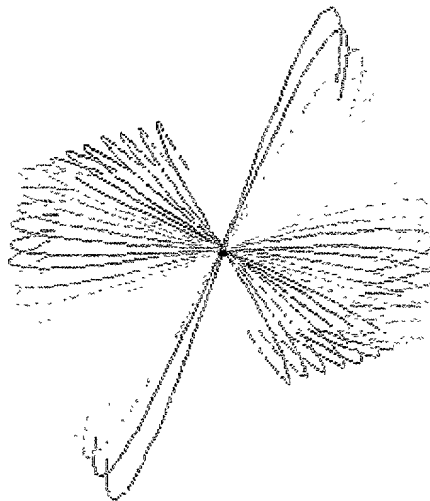
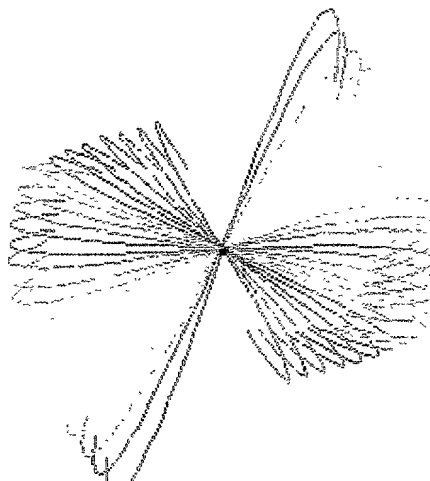
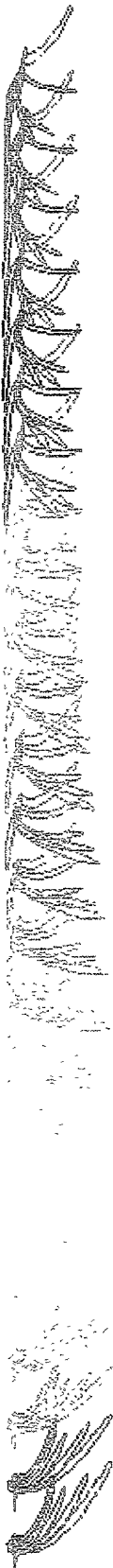
FIG-15a

Eddy Current Technology Incorporated

ect+



Hz 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



Mag Angle
447 111
Range -235 130
Range% -53 117
Slope

FIG 15b

Volts vs Freq

Angle vs Freq

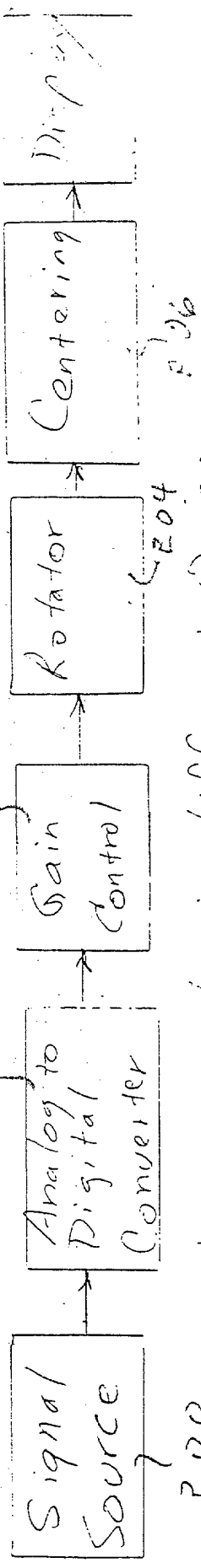
My Computer

DC

28 MACHWHT

The e Machine F1 Stop...

200 204 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300



These may be in different places

fig 16 Block Diagram

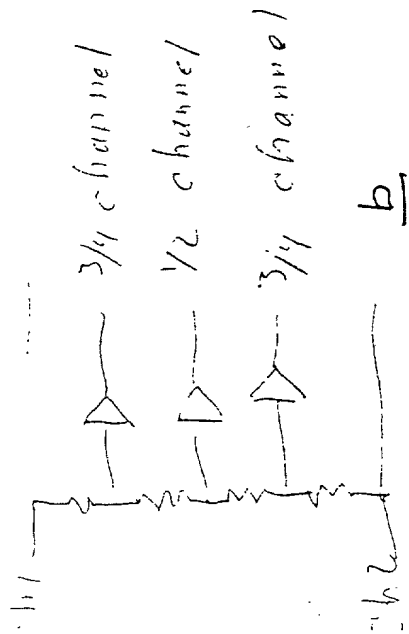
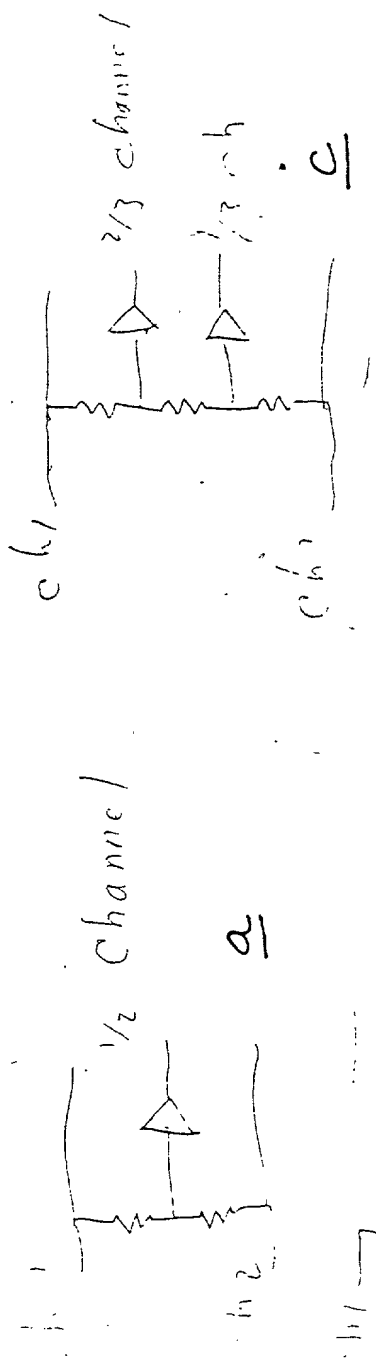


fig 17

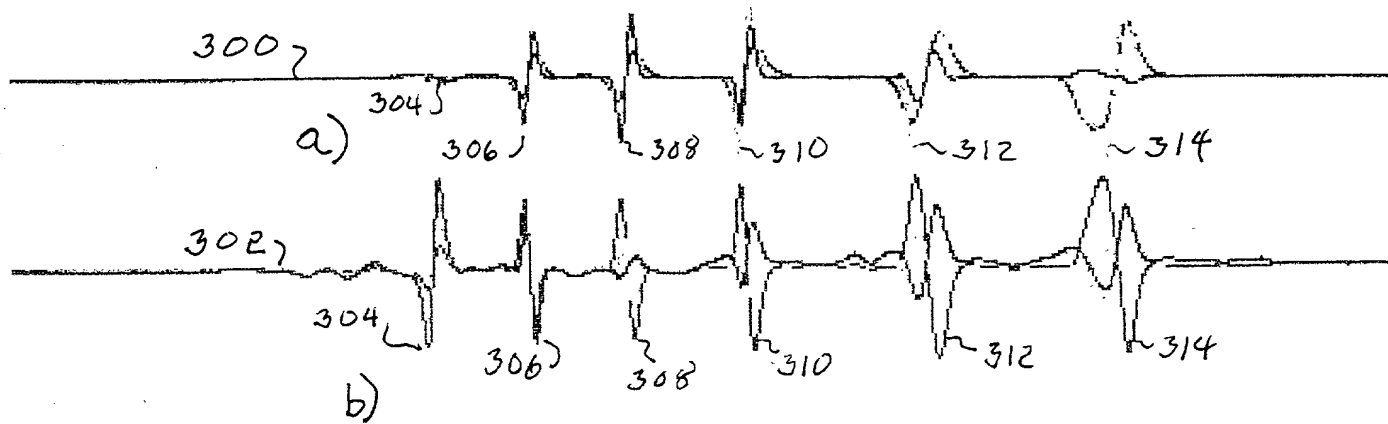


FIG 18